

(2) Ammonium nitrate fertilizer, Division 5.1 (oxidizer) UN 2067, if the nearest COTP is notified at least 24 hours in advance of any loading or unloading in excess of 454 kg (1,000 pounds).

(3) Ammonium nitrate fertilizer, n.o.s., Division 5.1 (oxidizer) NA 2072, containing 40 percent or more fine calcium carbonate or dolomite.

(4) Non-acidic ammonium nitrate fertilizer, n.o.s., Division 5.1 (oxidizer) UN 2072, containing less than 5 percent organic material and 60 percent or less ammonium nitrate.

(5) Division 1.5 compatibility group D material in a rigid packaging with non-combustible inside packaging.

(6) Ammonium nitrate fertilizer, Class 9, UN 2071.

(c) Before a permit may be issued, the following requirements must be met in addition to any others the COTP may impose:

(1) If the material is ammonium nitrate fertilizer, Division 5.1 (oxidizer), UN2070; or Explosives, blasting, type E, Division 1.5 compatibility group D, UN0332 in combustible packaging or in a rigid packaging with combustible inside packaging, it must be loaded or unloaded at a facility remote from populous areas or high value or high hazard industrial facilities so that in the event of fire or explosion loss of lives and property may be minimized;

(2) If the material is an ammonium nitrate fertilizer, Division 5.1 (oxidizer), UN2070, containing more than 60 percent ammonium nitrate; or ammonium nitrate fertilizer, Division 5.1 (oxidizer), UN2070 in rigid packagings with combustible inside packagings, it must be loaded or unloaded at a facility removed from congested areas or high value or high hazard industrial facilities;

(3) Each facility at which the material is to be loaded or unloaded must conform with the requirements of the port security and local regulations and must have an abundance of water readily available for fire fighting;

(4) Each facility at which the material is to be loaded or unloaded must be located so that each vessel to be loaded or unloaded has an unrestricted passage to open water. Each vessel must be moored bow to seaward, and must be

maintained in a mobile status during loading, unloading, or handling operations by the presence of tugs or the readiness of engines. Each vessel must have two wire towing hawsers, each having an eye splice, lowered to the water's edge, one at the bow and the other at the stern; and

(5) If the material is ammonium nitrate fertilizer, Division 5.1 (oxidizer), UN2070; an ammonium nitrate fertilizer, Division 5.1 (oxidizer) containing more than 60 percent ammonium nitrate; or a Division 1.5 compatibility group D material in non-rigid combustible packaging and loaded in freight containers or transport vehicles, it may be loaded or unloaded at a non-isolated facility provided that facility is approved by the COTP.

[Amdt. 176-30, 55 FR 52706, Dec. 21, 1990, as amended at 56 FR 66282, Dec. 20, 1991; Amdt. 176-35, 59 FR 49134, Sept. 26, 1994; 65 FR 58630, Sept. 29, 2000; 66 FR 45185, 45384, 45385, Aug. 28, 2001]

### Subpart K [Reserved]

### Subpart L—Detailed Requirements for Division 2.3 (Poisonous Gas) and Division 6.1 (Poisonous) Materials

SOURCE: Amdt. 176-30, 55 FR 52708, Dec. 21, 1990, unless otherwise noted.

#### § 176.600 General stowage requirements.

(a) Each package required to have a POISON GAS, POISON INHALATION HAZARD, or POISON label, being transported on a vessel, must be stowed clear of living quarters and any ventilation ducts serving living quarters and separated from foodstuffs, except when the hazardous materials and the foodstuffs are in different closed transport units.

(b) Each package required to have both a POISON GAS label and a FLAMMABLE GAS label thereon must be segregated as a Division 2.1 (flammable gas) material.

(c) Each package bearing a POISON label displaying the text "PG III" or bearing a "PG III" mark adjacent to the poison label must be stowed away from foodstuffs.

(d) Each package of Division 2.3 (poisonous gas) material or Division 6.1 (poison) material which also bears a FLAMMABLE LIQUID or FLAMMABLE GAS label must be stowed in a mechanically ventilated space, kept as cool as reasonably practicable, and be stowed away from all sources of heat and ignition.

[Amdt. 176-30, 55 FR 52708, Dec. 21, 1990, as amended at 57 FR 45465, Oct. 1, 1992; Amdt. 176-35, 59 FR 49134, Sept. 26, 1994; Amdt. 176-42, 62 FR 1236, Jan. 8, 1997; 64 FR 10782, Mar. 5, 1999]

**§ 176.605 Care following leakage or sifting of Division 2.3 (poisonous gas) and Division 6.1 (poisonous) materials.**

A hold or compartment containing a package of a Division 2.3 (poisonous gas) or Division 6.1 (poisonous) material which has leaked or sifted must be thoroughly cleaned and decontaminated after the cargo is unloaded and before the hold or compartment is used for the stowage of any other cargo.

**Subpart M—Detailed Requirements for Radioactive Materials**

SOURCE: Amdt. 176-15, 48 FR 10245, Mar. 10, 1983, unless otherwise noted.

**§ 176.700 General stowage requirements.**

- (a) [Reserved]
- (b) A package of radioactive materials which in still air has a surface temperature more than 5 °C (9 °F) above the ambient air may not be overstowed with any other cargo. If the package is stowed under deck, the hold or compartment in which it is stowed must be ventilated.
- (c) Each fissile material, controlled shipment must be stowed in a separate hold, compartment, or defined deck area and be separated by a distance of at least 6 m (20 feet) from all other RADIOACTIVE YELLOW-II or YELLOW-III labeled packages.
- (d) For a shipment of radioactive materials requiring supplemental operational procedures, the shipper must

furnish the master or person in charge of the vessel a copy of the necessary operational instructions.

(e) A person may not remain unnecessarily in a hold, or compartment, or in the immediate vicinity of any package on deck, containing radioactive materials.

(The information collection requirements in paragraph (d) were approved by the Office of Management and Budget under control numbers 2137-0534, 2137-0535 and 2137-0536)

[Amdt. 176-15, 48 FR 10245, Mar. 10, 1983, as amended by Amdt. 176-15, 48 FR 31220, July 7, 1983; Amdt. 176-23, 50 FR 41523, Oct. 11, 1985; Amdt. 176-37, 60 FR 50333, Sept. 28, 1995; 66 FR 45385, Aug. 28, 2001]

**§ 176.704 Requirements relating to transport indexes.**

(a) The sum of the transport indexes for all packages of Class 7 (radioactive) materials on board a vessel may not exceed the limits specified in table III.

(b) For packages in freight containers, the radiation level may not exceed 2 mSv per hour (200 mrem per hour) at any point on the surface and 0.1 mSv per hour (10 mrem per hour) at 2 m (6.6 feet) from the outside surface of the freight container.

(c) The limitations specified in table III do not apply to consignments of LSA materials if the packages are marked "RADIOACTIVE LSA" and no fissile Class 7 (radioactive) materials are included in the shipment.

(d) Each group of fissile packages must be separated from other Class 7 (radioactive) material by a distance of at least 6 m (20 feet) at all times.

(e) The limitations specified in paragraphs (a) through (c) of this section do not apply when the entire vessel is reserved or chartered for use by a single offeror under exclusive use conditions if—

(1) The number of fissile packages of Class 7 (radioactive) materials aboard the vessel does not exceed the amount authorized in §§173.457 and 173.459 of this subchapter; and

(2) The entire shipment operation is approved by the Associate Administrator in advance.

(f) Table III is as follows: